WHAT IS CLAIMED IS:

1.   A communication apparatus in a communication network in which a plurality of routes can be set with respect to a destination, comprising:

5   a line condition acquiring unit that acquires a line condition of a communication line in each route;

a communication cost calculating unit that calculates a communication cost of each route, based on the line condition of the communication line in the route; and

10   a route selecting unit that selects a route from the plurality of routes based on the communication cost calculated.

2.   The communication apparatus according to claim 1, further comprising a communication cost outputting unit that outputs the

15   communication cost to outside.

3.   The communication apparatus according to claim 1, wherein the line condition acquiring unit acquires a service condition of the communication line, and the communication cost calculating unit

20   calculates the communication cost based on the service condition.

4.   The communication apparatus according to claim 1, wherein the line condition acquiring unit acquires a failure information, that is information about presence or absence of a failure in the

25   communication line, and if the failure is present, the communication

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cost calculating unit calculates the communication cost based on a type
of the failure.

5.   The communication apparatus according to claim 1, wherein the
line condition acquiring unit acquires a reserve line information, that is
information about presence or absence of a reserve line in the
communication line, and if the reserve line exists, the communication
cost calculating unit calculates the communication cost based on a type
of the reserve line.

6.   The communication apparatus according to claim 1, wherein the
line condition acquiring unit acquires the line condition at regular
intervals.

7.   The communication apparatus according to claim 1, further
comprising an inputting unit to input a communication of each route,
wherein
        the route selecting unit selects the route from the plurality of
routes based on the communication cost input.

8.   The communication apparatus according to claim 1, further
comprising:
        a communication cost acquiring unit that acquires a
communication cost of each route from outside, wherein
        the route selecting unit selects the route from the plurality of

routes based on the communication cost acquired.

9.   The communication apparatus according to claim 1, further comprising a storage unit to store the communication cost calculated.

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10.   A method of communication realized on a communication apparatus in a communication network in which a plurality of routes can be set with respect to a destination, comprising:

acquiring a line condition of a communication line in each route;

10   calculating a communication cost of each route, based on the line condition of the communication line in the route; and

selecting a route from the plurality of routes based on the communication cost calculated.

15   11.   The method according to claim 10, further comprising outputting the communication cost to outside.

12.   The method according to claim 10, wherein the acquiring includes acquiring a service condition of the communication line, and

20   the calculating includes calculating the communication cost based on the service condition.

13.   The method according to claim 10, wherein the acquiring includes acquiring a failure information, that is information about

25   presence or absence of a failure in the communication line, and if the

failure is present, the calculating includes calculating the communication cost based on a type of the failure.

14.   The method according to claim 10, wherein the acquiring
5   includes acquiring a reserve line information, that is information about presence or absence of a reserve line in the communication line, and if the reserve line exists, the calculating includes calculating the communication cost based on a type of the reserve line.

10   15.   The method according to claim 10, wherein the acquiring is performed at regular intervals.

16.   The method according to claim 10, further comprising manually inputting a communication cost of each route, wherein
15   the selecting includes selecting the route from the plurality of routes based on the communication cost input.

17.   The method according to claim 10, further comprising acquiring a communication cost of each route from outside, wherein
20   the route selecting unit selects the route from the plurality of routes based on the communication cost acquired.

18.   The method according to claim 10, further comprising storing the communication cost calculated.

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19.   A computer program for realizing communication on a

communication apparatus in a communication network in which a

plurality of routes can be set with respect to a destination, the computer

program making the communication apparatus execute:

5   acquiring a line condition of a communication line in each route;

           calculating a communication cost of each route, based on the

line condition of the communication line in the route; and

           selecting a route from the plurality of routes based on the

communication cost calculated.

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